

# PERMASHINE™ 320

## PERMANENT SHINE CONCRETE POLISHING SYSTEM

### DESCRIPTION

Permashine™ 320 is a permanent shine concrete polishing system for new and existing floors transforming ordinary concrete surfaces into exceptionally durable, attractive, colorful floors.

### RECOMMENDED USES

- Retail establishments
- Restaurant
- Manufacturing
- Office & Commercial
- Schools
- Museums
- Sports facilities
- Vehicle maintenance
- Distribution Centers
- Car Showrooms
- Aircraft Hangars
- Warehouses
- Industrial
- Freight Terminals
- Condominiums
- Grocery
- Healthcare Facilities
- Pharmaceutical
- Printing Plants
- Malls, Shopping
- Zoos and Recreation
- Municipal Facilities
- Water Treatment
- Power Plants

### MAIN PROPERTIES

- Stunning visual and functional rejuvenation of existing concrete floors
- Custom-tailored finish and practical protection for new concrete floors
- Dramatic long term maintenance cost reduction
- Minimizes facility downtime
- Factory-trained contractors ready to provide comprehensive solutions to your floor needs
- Does not trap floor moisture like coatings, tiles, carpets and other floor coverings
- Non dusting guarantee
- Safe, non slip, certified "High Traction"
- Extended floor life and long term appearance
- Increases reflectivity of the floor and reduces lighting costs
- Green process and products. Qualified to be used on LEED Certified and CHPS projects
- Environmentally friendly, no solvents

### STANDARDS CERTIFICATIONS

- NFSi - Certified High Traction from the national Floor Safety Institute
- ADA compliance
- OSHA compliance
- GreenSpec listed
- LEED Certification
- Energy and Indoor Air Quality credits for CHPS school projects
- U.S. Green Building Council Member

### COLOR Color Available from Vivid Dye 360 chart

- Tempered Sienna
- Aztec Gold
- Black Diamond
- Phoenix Sun
- Green
- Grape
- Blue
- American Rose

### SYSTEM

There are 3 levels of grinding

- Plain
- Sand Exposed
- Stone Exposed

### SURFACE PREPARATION

- Concrete should have a mechanical strength of at least 210 KSC (cyl).
- Substrate must be sound, clean. All residue, oil sealers, waxes, contaminants and cement laitance must be removed from surfaces.
- Fill holes, cracks and deteriorated areas with 10 Minute Concrete Mender.
- Patch low spot surfaces with polymer mortar screed Primebase.

### AVERAGE CONSUMPTION

The product coverage depends mostly on the type of the machine used for polishing and the type of the pads. We can summarize the product coverage the following

#### GRINDING AND POLISHING MACHINE

- 6 head pads machine : 60 to 80 m<sup>2</sup> per day
- 12 head pads machine : 100 to 130 m<sup>2</sup> per day

#### PADS

- Grit 50 : 150 m<sup>2</sup>
- Grit 100 : 150 m<sup>2</sup>
- Grit 200 : 250 m<sup>2</sup>
- Grit 400 : 250 m<sup>2</sup>
- Grit 800 : 400 m<sup>2</sup>
- Grit 1500 : 1800 m<sup>2</sup>
- Grit 3000 : 1800 m<sup>2</sup>

#### LIQUID HARDENER [DENSIFIER]

- Chem Hard™ 300 260 g/m<sup>2</sup> or 77 m<sup>2</sup>/pail 20 Liter
- Seal Hard™ 301 200 g/m<sup>2</sup> or 100 m<sup>2</sup>/pail 20 Liter
- Lion Hard™ 302 67 g/m<sup>2</sup> or 300 m<sup>2</sup>/pail 20 Liter
- Rocardur™ 303 67 g/m<sup>2</sup> or 300 m<sup>2</sup>/pail 20 Liter
- Litoshine™ 304 67 g/m<sup>2</sup> or 300 m<sup>2</sup>/pail 20 Liter

#### VIVID DYE STAIN [OPTIONAL]

- 100 g/m<sup>2</sup> or 38 m<sup>2</sup> per pail 3.8 Liter

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PRODUCT DATA SHEET

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## INSTALLATION

- Polishing Machines, use machines with at least 6 heads (STi)
- Polishing Pads, use metal bond and resin bond pads
- Densifier, use Sodium/ Potassium/ Lithium silicate liquid floor hardener
- Color Stain, Concrete surfaces can be colored stain with Vivid Dye 360
- High Speed Burnisher, use 2000 RPM high speed burnisher at final stage to pop up shine
- Water and Oil repellent, as an option apply Rocarol to protect surface from water and oil stain



## TRAFFICABILITY

4 hours

Normal Traffic

## STORAGE AND SHELF LIFE

- 1 year

## HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.

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